

IN THE CLAIMS

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Please cancel claims 18-20 without prejudice.

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Please add the following new claims:

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2 21. (New) A method for including Frame Time Indication for cell searching in a wireless communications system, said method comprising:

3 transmitting by a mobile station, in each slot of a frame a primary synchronization
4 code and a secondary synchronization code, said secondary synchronization code comprising Log
5 2(Nssc) bits of information to be used for a long code indication; and
6 modulating said secondary synchronization code by one of Nmod valid sequences.

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1 22. (New) The method of claim 21, wherein said primary synchronization code and said
2 secondary synchronization code are transmitted at substantially the same time.

1 23. (New) The method of claim 21, wherein said Nmod value is greater than one.

1 24. (New) The method of claim 21, wherein following properties need to be satisfied if
2 said Nmod value is greater than one:

3 each said secondary synchronization code has sufficient cross-correlation
4 properties; and

5 no cyclic shift of a valid modulating sequence can result in another valid
6 modulating sequence.

1 25. (New) The method of claim 21, wherein said secondary synchronization codes are the
2 same in each slot.

1 26. (New) The method of claim 21, wherein said wireless communication system is a
2 WCDMA communication system.

1 27. (New) A method for including Frame Timing Indication for cell searching by a mobile
2 station, said method comprising:

3 transmitting, by a mobile station, in each frame, a sequence of 16 secondary
4 synchronization codes, said secondary synchronization codes comprising $\text{Log}_2(N_{\text{ssc_seq}})$ bits of
5 information to be used to obtain a long code indication; and
6 modulating said secondary synchronization code by one of N_{mod} valid sequences.

1 28. (New) The method of claim 27, wherein said sequence of 16 secondary
2 synchronization codes repeats in each frame.